

Item #12
October 6, 2010
Energy Commission Business Meeting

ELECTRIC VEHICLES INTERNATIONAL (EVI)

Grant Agreement
For
Electric Vehicle Manufacturing

Summary

Electric Vehicles International (EVI) will develop, test, and improve an automated, pilot, electric vehicle production process that will include on-site manufacture and assembly of battery packs, battery boxes, motors, motor controllers, drivetrains, and vehicle management units.

This production process will automate manufacturing and assembly of the vehicles, and includes complete component manufacturing under one roof. By integrating on-site component manufacturing into the vehicle assembly process, EVI eliminates the additional costs associated with outside, standalone component manufacturers. This will reduce power system costs by 50 percent and vehicle costs by an estimated 30 percent.

The Energy Commission is providing of \$3,881,224 from the Alternative and Renewable Fuel and Vehicle Transportation program fund and EVI will provide a match share of \$7,226,102.

Benefit

This automated manufacturing process will reduce current vehicle costs by an estimated 30 percent and improves the manufacturing of medium and heavy duty electric vehicles. This project will produce electric vehicles that may reduce GHG emissions by up to 68 percent on a per vehicle basis.

The manufacturing process will immediately create 50 permanent living-wage jobs in California. The commercial scale plant is expected to create an additional 375 jobs. The project will be located at EVI's existing headquarters in the City of Stockton, an economically distressed area.

Participants

Electric Vehicles International (EVI) is a California based company and has over 20 years of experience in alternative energy vehicle research, development, manufacture, and deployment.